

Title (en)
BRAKE PAD AND CALIPER DEVICE

Title (de)
BREMSBELAG- UND SATTELVORRICHTUNG

Title (fr)
GARNITURE DE FREIN ET DISPOSITIF D'ÉTRIER

Publication
EP 2952769 A4 20161012 (EN)

Application
EP 14745569 A 20140128

Priority
• JP 2013018655 A 20130201
• JP 2014051845 W 20140128

Abstract (en)
[origin: EP2952769A1] A brake pad 10 can control rotating of a disc 200. The brake pad 10 includes a friction material 12 provided on a side of the disc 200 and a back plate 11 bonded to the friction material 12 on an opposite side of the disc 200. The back plate 11 has a plurality of ridges 111 and/or a plurality of grooves 112 each formed on an entirety of a surface of the back plate 11 on the side of the friction material 12 so that longitudinal directions of the ridges 111 and/or the grooves 112 are inclined all together with respect to a rotational direction of the disc 200 at a predetermined angle. The friction material 12 is bonded to the back plate 11 so as to make close contact with a surface defining each ridge 111 and/or each groove 112 and the surface of the back plate 11 on the side of the friction material 12. An average height of the ridges 111 or an average depth of the grooves 112 is preferably in the range of 2 to 6 mm. This makes it possible to provide a brake pad 10 having high bonding strength between the friction material 12 and the back plate 11 and excellent durability, and a caliper device provided with the brake pad 10.

IPC 8 full level
C08J 5/04 (2006.01); **F16D 65/092** (2006.01)

CPC (source: EP US)
F16D 65/092 (2013.01 - EP US); **F16D 69/026** (2013.01 - US); **F16D 69/0408** (2013.01 - US); **F16D 2069/0441** (2013.01 - EP US); **F16D 2069/0466** (2013.01 - US)

Citation (search report)
• [X] DE 3124527 A1 19830105 - TEXTAR GMBH [DE]
• [A] US 2001003321 A1 20010614 - SANO YOSHINORI [JP]
• [A] DE 7133858 U
• [A] NL 7206453 A 19730306
• [A] DE 19953405 A1 20010510 - CWW GERKO AKUSTIK GMBH & CO KG [DE]
• [A] WO 2004094857 A1 20041104 - FRENI BREMBO SPA [IT], et al
• See references of WO 2014119572A1

Designated contracting state (EPC)
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